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Education

Ph.D. in Physics, Universidad Autonoma de Madrid, Spain, 1975
M.A. in Physics, Université Paul Sabatier, Toulouse, France, 1971
B.A. in Physics, University of Barcelona, Spain, 1967

Professional Experience

2008-2012 Director of the Materials Science Division. LBNL
2008 Visiting Professor at the “Institut de Nanosciences de Paris”. Jussieu. France.
2006 Adjunct Professor, Materials Science and Eng. Dept. Univ. California Berkeley.
2004-2008 Scientific Director. Imaging and Manipulation Facility, Molecular Foundry.
2001 Visiting Professor. Fritz-Haber Institute, Max-Planck Society, Berlin.
1991-94 Visiting Professor (1 month / year). University of Barcelona, Spain
1990 Senior Scientist, Lawrence Berkeley National Laboratory.
1984-90 Divisional Fellow. Materials and Chemical Sciences Division. LBNL
1983 Visiting Scientist (4 months). Exxon Research Co. New Jersey
1981-84 Professor, Physics Dept. Universidad Autonoma de Madrid
1973-84 Senior Scientist. Spanish National Research Council (CSIC).
1972-73 Assistant Professor of Physics. Universidad Autonoma de Madrid

Honors

2015 Davison-Germer Prize of the American Physical Society
2012 MRS Medal Award
2010 R&D 100 Award, R&D Magazine
2010 Outstanding Lecturer Award, Pacific Northwest Laboratory
2008 Medard W. Welch Award. American Vacuum Society
2008 Langmuir Lectureship Award. American Chemical Society
2007 Outstanding Performance Award, LBNL.
2004 Klaus Halbach Award for development of Innovative Instrumentation
2003 Fellow of the American Vacuum Society
2001 Outstanding Performance Award, LBNL
1997 Iberdrola Foundation Professor. Universidad Autonoma de Madrid, Spain
1996 Fellow of the American Physical Society
1996 Outstanding Research Award in Materials Chemistry. U.S. Department of Energy
1995 Outstanding Scientific Accomplishment Award in Materials Chemistry. U.S. Dept. of Energy
1995 Nicolas Cabrera Foundation Professor. Universidad Autonoma de Madrid, Spain
1994 Outstanding Performance Award, LBNL
1991 Certificate of Merit in Technology Transfer, LBNL
1990 Federal Laboratory Consortium Award for Technology Transfer Merit

Publications and Presentations (May 2015)

487 Journal articles and book chapters.

441 Invited talks, including 40 plenary and keynote lectures.

Citations: 18,923

Average citation per article: 43.2

h-Index: 70

PhD Thesis supervised: 39 students from Physics, Chemistry, and Materials Science Departments from various Universities in the US and Europe

Professional Activities (2000-present)

Member Advisory Panel of the Institute for Materials, Georgia Tech. University

Member of the Board of Reviewing Editors of AAAS Science

Member Editorial Board of Journal of Physics: Condensed Matter

President of the Scientific Advisory Board, "*Institut Catala de Nanotecnologia*". Barcelona, Spain.

Member, Editorial Advisory Board, *Tribology Letters*

Organizer IWOX-9 workshop on oxide surfaces. Lake Tahoe. California, USA. January 5-10, 2014.

Organizer 1st Symposium on Frontier in Catalysis: Symposium on Surfaces and Nanomaterials for Catalysis through In-situ and Ex-situ Studies. MRS San Francisco, April 25-29, 2011

Organizer 31st Annual Symposium on Applied Surface Analysis of the AVS.

Organizer Workshop of "Water at interfaces". Shanghai.

Organizer High Pressure Photoelectron Spectroscopy Workshop. Berkeley